



PCT

## RAW SEQUENCE LISTING

DATE: 09/14/2004

PATENT APPLICATION: US/10/506,740

TIME: 10:26:30

Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\09142004\J506740.raw

3 <110> APPLICANT: DeveloGen AG fUr entwicklungsbiologische Forschung  
 5 <120> TITLE OF INVENTION: CG3842 homologous proteins involved in the regulation  
 6 of energy homeostasis  
 8 <130> FILE REFERENCE: 27673PWOAS  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/506,740  
 C--> 11 <141> CURRENT FILING DATE: 2004-09-03  
 13 <150> PRIOR APPLICATION NUMBER: EP02005141.3  
 14 <151> PRIOR FILING DATE: 2002-03-07  
 16 <160> NUMBER OF SEQ ID NOS: 10  
 18 <170> SOFTWARE: PatentIn Ver. 2.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 1826  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Human  
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 28 tcagagtcag gctgctgctc agcaccagc acggagagga gcagagaagc agcagaagca 180  
 29 gccaaagact ggagccagac caggaacctg agccagagct ggggttgaag ctggagcagc 240  
 30 agcaaaagca acagcagcta cagaagttgg aacgatgctg gtcaccttgg gactgctcac 300  
 31 ctccctcttc tcgttctctg atatggttag tccatccatc aggaagttct ttgctggtgg 360  
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55 ccatttcaat catgcagatg gtttcttttt gtaaagagtt ccgtttgcct ttcaattttt 1800
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62 <213> ORGANISM: Human
64 <400> SEQUENCE: 2
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69 20 25 30
71 Thr Asn Val Gln Leu Pro Gly Lys Val Val Val Ile Thr Gly Ala Asn
72 35 40 45
74 Thr Gly Ile Gly Lys Glu Thr Ala Arg Glu Leu Ala Ser Arg Gly Ala
75 50 55 60
77 Arg Val Tyr Ile Ala Cys Arg Asp Val Leu Lys Gly Glu Ser Ala Ala
78 65 70 75 80
80 Ser Glu Ile Arg Val Asp Thr Lys Asn Ser Gln Val Leu Val Arg Lys
81 85 90 95
83 Leu Asp Leu Ser Asp Thr Lys Ser Ile Arg Ala Phe Ala Glu Gly Phe
84 100 105 110
86 Leu Ala Glu Glu Lys Gln Leu His Ile Leu Ile Asn Asn Ala Gly Val
87 115 120 125
89 Met Met Cys Pro Tyr Ser Lys Thr Ala Asp Gly Phe Glu Thr His Leu
90 130 135 140
92 Gly Val Asn His Leu Gly His Phe Leu Leu Thr Tyr Leu Leu Leu Glu
93 145 150 155 160
95 Arg Leu Lys Val Ser Ala Pro Ala Arg Val Val Asn Val Ser Ser Val
96 165 170 175
98 Ala His His Ile Gly Lys Ile Pro Phe His Asp Leu Gln Ser Glu Lys
99 180 185 190
101 Arg Tyr Ser Arg Gly Phe Ala Tyr Cys His Ser Lys Leu Ala Asn Val
102 195 200 205
104 Leu Phe Thr Arg Glu Leu Ala Lys Arg Leu Gln Gly Thr Gly Val Thr
105 210 215 220
107 Thr Tyr Ala Val His Pro Gly Val Val Arg Ser Glu Leu Val Arg His
108 225 230 235 240
110 Ser Ser Leu Leu Cys Leu Leu Trp Arg Leu Phe Ser Pro Phe Val Lys
111 245 250 255
113 Thr Ala Arg Glu Gly Ala Gln Thr Ser Leu His Cys Ala Leu Ala Glu
114 260 265 270
116 Gly Leu Glu Pro Leu Ser Gly Lys Tyr Phe Ser Asp Cys Lys Arg Thr
117 275 280 285
119 Trp Val Ser Pro Arg Ala Arg Asn Asn Lys Thr Ala Glu Arg Leu Trp
120 290 295 300
122 Asn Val Ser Cys Glu Leu Leu Gly Ile Arg Trp Glu
123 305 310 315
127 <210> SEQ ID NO: 3

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128 &lt;211&gt; LENGTH: 2538

129 &lt;212&gt; TYPE: DNA

130 &lt;213&gt; ORGANISM: Human

132 &lt;400&gt; SEQUENCE: 3

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135 gctgtccagt ggggtgtgta catcaactgt tcagcttcct gggaaagtag ttgtggtcac 180
136 aggagctaatacaggtatcg ggaaggagac agccaaagag ctggctcaga gaggagctcg 240
137 agtatattta gcttgccggg atgtggaaaa gggggaattg gtggccaaag agatccagac 300
138 cagcacaggg aaccagcagg tgttggtgcg gaaactggac ctgtctgata ctaagtctat 360
139 tcgagctttt gctaagggct tcttagctga ggaaaagcac ctccacgttt tgatcaacaa 420
140 tgcaggagtg atgatgtgtc cgtactcgaa gacagcagat ggctttgaga tgcacatagg 480
141 agtcaaccac ttgggtcact tcctcctaac ccactctgtg ctagagaaac taaaggaatc 540
142 agccccatca aggatagtaa atgtgtcttc cctcgcacat cacctgggaa ggatccactt 600
143 ccataacctg cagggcgaga aattctacaa tgcaggcctg gcctactgtc acagcaagct 660
144 agccaacatc ctcttcaccc aggaactggc cgggagacta aaaggctctg gcgttacgac 720
145 gtattctgta caccctggca cagtccaatc tgaactggtt cggcactcat ctttcatgag 780
146 atggatgtgg tggcttttct cttttttcat caagactcct cagcaggagg cccagaccag 840
147 cctgcactgt gccttaacag aaggctctga gattctaagt gggaatcatt tcagtgactg 900
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152 aaactcagtg tactgccaga ttctgtctaaa tgtctgtcat gtccagattt actttgtctc 1200
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154 cacagctcat ttctcttctg aaagaaacta ctacctagga gaatctaagc tatagcaggg 1320
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171 tctgatactt gtaaattaat cttttattgc acttgttttg accattaagc tatatgttta 2340
172 gaaatggtca ttttacggaa aaattagaaa aattctgata atagtgcaga ataaatgaat 2400
173 taatgtttta cttaatttat attgaactgt caatgacaaa taaaattct ttttgattat 2460
174 tttttgtttt catttaccag aataaaaact aagaattaaa agtttgatta cagtcaaaaa 2520
175 aaaaaaaaaa aaaaaaaaaa 2538
178 <210> SEQ ID NO: 4
179 <211> LENGTH: 318

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180 <212> TYPE: PRT
181 <213> ORGANISM: Human
183 <400> SEQUENCE: 4
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188 20 25 30
190 Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val Val Thr Gly
191 35 40 45
193 Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu Leu Ala Gln Arg
194 50 55 60
196 Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val Glu Lys Gly Glu Leu
197 65 70 75 80
199 Val Ala Lys Glu Ile Gln Thr Thr Thr Gly Asn Gln Gln Val Leu Val
200 85 90 95
202 Arg Lys Leu Asp Leu Ser Asp Thr Lys Ser Ile Arg Ala Phe Ala Lys
203 100 105 110
205 Gly Phe Leu Ala Glu Glu Lys His Leu His Val Leu Ile Asn Asn Ala
206 115 120 125
208 Gly Val Met Met Cys Pro Tyr Ser Lys Thr Ala Asp Gly Phe Glu Met
209 130 135 140
211 His Ile Gly Val Asn His Leu Gly His Phe Leu Leu Thr His Leu Leu
212 145 150 155 160
214 Leu Glu Lys Leu Lys Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser
215 165 170 175
217 Ser Leu Ala His His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly
218 180 185 190
220 Glu Lys Phe Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala
221 195 200 205
223 Asn Ile Leu Phe Thr Gln Glu Leu Ala Arg Arg Leu Lys Gly Ser Gly
224 210 215 220
226 Val Thr Thr Tyr Ser Val His Pro Gly Thr Val Gln Ser Glu Leu Val
227 225 230 235 240
229 Arg His Ser Ser Phe Met Arg Trp Met Trp Trp Leu Phe Ser Phe Phe
230 245 250 255
232 Ile Lys Thr Pro Gln Gln Gly Ala Gln Thr Ser Leu His Cys Ala Leu
233 260 265 270
235 Thr Glu Gly Leu Glu Ile Leu Ser Gly Asn His Phe Ser Asp Cys His
236 275 280 285
238 Val Ala Trp Val Ser Val Gln Ala Arg Asn Glu Thr Ile Ala Arg Arg
239 290 295 300
241 Leu Trp Asp Val Ser Cys Asp Leu Leu Gly Leu Pro Ile Asp
242 305 310 315
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247 <211> LENGTH: 17
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: forward primer

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260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: reverse primer
266 <400> SEQUENCE: 6
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271 <211> LENGTH: 26
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273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence: taqman probe
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279 aacagctgag cgattgtgga acgtca 26
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285 <213> ORGANISM: Artificial Sequence
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288 <223> OTHER INFORMATION: Description of Artificial Sequence: forward primer
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308 <212> TYPE: DNA
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/506,740

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Input Set : A:\PTO.YF.txt

Output Set: N:\CRF4\09142004\J506740.raw

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date